

IN THE CLAIMS:

Please amend the claims as follows.

1. – 22. (Cancelled)

23. (Currently Amended) A system for monitoring data flow in a web application hosted on a server, comprising:

a data collector which intercepts a transaction, wherein intercepting the transaction comprises intercepting a HTTP request coming into the server and a HTTP response leaving the server in order to collect data passed between components of the web application corresponding to the transaction; and

a graphical display which displays the collected data,

wherein the data collector comprises a process which uses hooks to intercept the HTTP request and the HTTP response in order to collect data, [[and]]

wherein the hooks are embedded in at least one selected from the group consisting of the server and a server plug-in application configured to execute on the server, and[[.]]

wherein the collected data comprises at least session data associated with the transaction.

24. (Currently Amended) The system of claim 23, wherein the collected data further comprises one selected from the group consisting of data contained in the HTTP request, data contained in the HTTP response, properties of a dynamic component invoked by the server to process the HTTP request, data contained in a cookie associated with the HTTP request, data contained in a cookie associated with the HTTP response, and combinations thereof.

25. (Original) The system of claim 24, wherein the collected data further comprises properties of a HTTP session associated with the HTTP request.

26. (Cancelled)

27. (Cancelled)
28. (Currently Amended) The system of claim 23, further comprising a directory for storing the collected data on a per-transaction basis.
29. (Original) The system of claim 28, further comprising means for retrieving the data stored in the directory and for updating the graphical display with the data.
30. (Original) The system of claim 29, further comprising means for deleting data associated with a selected HTTP request from the directory.
31. (Currently Amended) A system for monitoring data flow in a web application, comprising:
- a server which hosts the web application;
 - a data collector which intercepts a transaction, wherein intercepting the transaction comprises intercepting a HTTP request coming into the server and a HTTP response leaving the server in order to collect data passed between components of the web application corresponding to the transaction; and
 - an application which provides a graphical display for displaying the collected data,
- wherein the data collector comprises a process which uses hooks to intercept the HTTP request and the HTTP response in order to collect data, [[and]]
- wherein the hooks are embedded in at least one selected from the group consisting of the server and a server plug-in application configured to execute on the server_[[.]]
- wherein the collected data comprises at least session data associated with the transaction.
32. (Currently Amended) The system of claim 31, wherein the collected data further comprises one selected from the group consisting of data contained in the HTTP request, data contained in the HTTP response, properties of a dynamic component invoked by the server to process the HTTP request, data contained in a cookie

associated with the HTTP request, data contained in a cookie associated with the HTTP response, and combinations thereof.

33. (Original) The system of claim 32, wherein the collected data further comprises properties of a HTTP session associated with the HTTP request.

34. (Cancelled)

35. (Cancelled)

36. (Currently Amended) A system for test-running and debugging a web application, comprising:

a server which hosts the web application;

a client requesting resources from the server;

a data collector which intercepts a transaction, wherein intercepting the transaction comprises intercepting a HTTP request sent by the client to the server and a corresponding HTTP response sent by the server to the client in order to collect data passed between components of the web application corresponding to the transaction; and

an application that provides a graphical display for displaying the collected data, wherein the data collector comprises a process which uses hooks to intercept the HTTP request and the HTTP response in order to collect data, [[and]]

wherein the hooks are embedded in at least one selected from the group consisting of the server and a server plug-in application configured to execute on the server, and [.]

wherein the collected data comprises at least session data associated with the transaction.

37. (Currently Amended) The system of claim 36, wherein the collected data further comprises one selected from the group consisting of data contained in the HTTP request, data contained in the HTTP response, properties of a dynamic component invoked by the server to process the HTTP request, data contained in a cookie

associated with the HTTP request, data contained in a cookie associated with the HTTP response, and combinations thereof.

38. (Original) The system of claim 37, further comprising an integrated development environment which starts the server in a separate process.
39. (Original) The system of claim 38, wherein the graphical display is accessible from within the integrated development environment.
40. (Original) The system of claim 38, wherein the client is accessible from within the integrated development environment.
41. (Original) The system of claim 38, wherein the integrated development environment comprises a mechanism that listens for requests from external processes and updates the graphical display in response to a notification from the data collector.
42. (Currently Amended) The system of claim 37, further comprising a directory for storing the collected data on a per-transaction basis.
43. (Original) The system of claim 42, further comprising a mechanism running as part of the client which updates the graphical display with the data stored in the directory.
44. (Currently Amended) A system for test-running and debugging a web application, comprising:
- a server which hosts the web application;
 - an integrated development environment which starts the server in a separate process;
 - a client requesting resources from the server;
 - a data collector which intercepts a transaction, wherein intercepting the transaction comprises intercepting a HTTP request sent by the client to the server and a corresponding HTTP response sent by the server to the client in order to collect data passed between components of the web application corresponding to the transaction; and
 - an application that provides a graphical display for displaying the collected data,

wherein the data collector comprises a process which uses hooks to intercept the HTTP request and the HTTP response in order to collect data, [[and]] wherein the hooks are embedded in at least one selected from the group consisting of the server and a server plug-in application configured to execute on the server, and [[.]]
wherein the collected data comprises at least session data associated with the transaction.

45. (Currently Amended) The system of claim 44, wherein the collected data further comprises one selected from the group consisting of data contained in the HTTP request, data contained in the HTTP response, properties of a dynamic component invoked by the server to process the HTTP request, data contained in a cookie associated with the HTTP request, data contained in a cookie associated with the HTTP response, and combinations thereof.
46. (Original) The system of claim 45, wherein the collected data further comprises properties of a HTTP session associated with the HTTP request.
47. (Currently Amended) A method for monitoring data flow in a web application, comprising:
- sending a HTTP request to a server hosting the web application, wherein the HTTP request is associated with a transaction;
 - receiving a HTTP response from the server, wherein the HTTP response is associated with the transaction;
 - intercepting the HTTP request and the HTTP response on the server in order to collect data passed between components of the web application corresponding to the transaction; and
 - displaying the collected data on a graphical display,
- wherein the data collector comprises a process which uses hooks to intercept the HTTP request and the HTTP response in order to collect data, [[and]]

wherein the hooks are embedded in at least one selected from the group consisting of the server and a server plug-in application configured to execute on the server, and [.]

wherein the collected data comprises at least session data associated with the transaction.

48. (Currently Amended) The method of claim 47, wherein the collected data further comprises one selected from the group consisting of data contained in the HTTP request, data contained in the HTTP response, properties of a dynamic component invoked by the server to process the HTTP request, data contained in a cookie associated with the HTTP request, data contained in a cookie associated with the HTTP response, and combinations thereof.
49. (Original) The method of claim 48, wherein the collected data further comprises properties of a HTTP session associated with the HTTP request.
50. (Original) The method of claim 47, wherein the HTTP request is intercepted prior to the server making any modifications to the HTTP request.
51. (Original) The method of claim 50, wherein the HTTP response is intercepted prior to the server making any modifications to the HTTP response.